

AMENDMENTS TO THE CLAIMS

1. (Previously presented) A process for the preparation of a composition comprising a mixture of linolenic acids, said linolenic acids being *9cis,11trans,15cis-octadecatrienoic acid* and *9cis,13trans,15cis-octadecatrienoic acid* and having a ratio of 1:1 w:w, a concentration of said mixture varying between 30% and 90% by weight relative to the weight of the composition, said process comprising the steps of:

- blending one or a mixture of vegetable oils with various concentrations of linolenic acid or partial glycerides of such oils or partially purified and/or concentrated isomers with a base and in the presence of water; and
- recovering the resulting conjugated linolenic acids.

2. (Currently amended) The process according to claim 1, characterised in that it is performed at a temperature ranging from 160°C to 200°C.

3. (Currently amended) The process according to claim 2, characterised in that wherein the temperature is 180°C.

4. (Currently amended) The process according to claim 1, characterised in that it said process proceeds for a period varying between 0.5 hour to 4 hours.

5. (Currently amended) The process according to claim 4, characterised in that wherein the period is 2 hours.

6. (Currently amended) The process of claim 1, characterised in that wherein the vegetable oil comprises linseed oil, *Plukenetia volubilis* oil, borage oil or a mixture thereof.

7. (Currently amended) The process of claim 1, characterised in that wherein the base is selected from a group consisting of sodium hydroxide, sodium alkoxylate, sodium metal, potassium hydroxide, potassium alkoxylate and potassium metal.

8. (Currently amended) The process according to claim 7, characterised in that wherein the base is potassium hydroxide or sodium hydroxide.

9. (Currently amended) A composition comprising a mixture of linolenic acids, said linolenic acids being *9cis,11trans,15cis-octadecatrienoic acid* and *9cis,13trans,15cis-octadecatrienoic acid*, characterised in that wherein said linolenic acids are present in a ratio of 1:1 w:w and said mixture varying between 30% and 90% by weight relative to the weight of the composition.

10. (Currently amended) The composition according to claim 9, characterised in that wherein it comprises at least 40% by weight of said mixture, and less than 0.5% by weight of 11,13-cyclic by-product.

11. (Canceled)

12. (Canceled)

13. (Canceled)

14. (Currently amended) Use A method for obtaining a varnish composition, comprising

providing of the composition according to claim 9,

providing a varnish, and for dying oil in varnishes

mixing the composition with said varnish.

15. (Currently amended) A method for inducing apoptosis of mammalian solid neoplastic cancer cells preventing or treating cancer in a mammal, comprising contacting said cells with administering to a mammal a therapeutically effective amount of the composition according to claim 9.

16. (Canceled)

17. (Currently amended) The method of claim 15, characterised in that wherein the mammalian solid neoplastic cancer cells are breast cancer cells.

18. (New) The method of Claim 17, wherein said breast cancer cells are human breast cancer cells.

19. (New) The method of Claim 18, wherein the human breast cancer cells are selected from the group consisting of estrogen positive and estrogen negative breast cancer cells.

20. (New) The method of Claim 19, wherein the breast cancer cells are from cells lines MB-231 or MCF-7.

21. (New) The method of Claim 20, wherein the step of contacting the cells with the composition is performed in vitro.